

Storm Data and Unusual Weather Phenomena - December 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
OHIO, Southeast				
(OH-Z066) PERRY, (OH-Z067) MORGAN, (OH-Z075) ATHENS, (OH-Z076) WASHINGTON, (OH-Z083) JACKSON, (OH-Z084) VINTON, (OH-Z085) MEIGS				
	12/05/07 04:00 EST		0	Winter Weather
	12/05/07 19:00 EST		0	
A fast moving low pressure system moved southeast along the border of Ohio and Kentucky on the 5th. Snow accumulated 2 to 6 inches in portions of southeast Ohio. This clipper was the first snow storm of the winter season.				
MEIGS COUNTY --- 0.8 NW REEDSVILLE [39.13, -81.76], 0.5 WSW BUNINGHAM [39.17, -82.03], 1.3 NNW POMEROY [39.05, -82.04], 1.1 WNW LONG BOTTOM ARPT [39.09, -81.79]				
	12/13/07 16:00 EST		2K	Flood (due to Heavy Rain)
	12/13/07 22:00 EST		0	Source: Public
Rains of 1.5 to 2 inches fell over portions of Meigs County during a 24 hour period from the 13th into the 14th. The ground was already wet from previous rains. Minor small stream overflow occurred late on the 13th. The Shade River near Chester crested around 17.5 feet during the late afternoon and evening. Bankfull is around 17 feet.				
VIRGINIA, Northwest				
(VA-Z003) DICKENSON, (VA-Z004) BUCHANAN				
	12/01/07 00:00 EST		0	Drought
	12/31/07 23:59 EST		0	
Monthly precipitation was mostly 2.5 to 3.5 inches, or about an inch below normal. John Flannagan Lake measured only 1.8 inches, for one of the least amounts. As is typical during the winter months, surface water flow continued to improve. However, the D2 and D3 drought intensities lingered, as the heavier December precipitation remained further to the north.				
The cooperative observer at Clintwood measured only 33.25 inches for the entire year. For this Dickenson County community, 2007 was the driest year since records began in 1963.				
WEST VIRGINIA, West				
(WV-Z009) WOOD, (WV-Z010) PLEASANTS, (WV-Z011) TYLER, (WV-Z017) WIRT, (WV-Z018) CALHOUN, (WV-Z019) RITCHIE, (WV-Z020) DODDRIDGE, (WV-Z029) GILMER, (WV-Z030) LEWIS, (WV-Z031) HARRISON, (WV-Z032) TAYLOR, (WV-Z038) WEBSTER, (WV-Z039) UPSHUR, (WV-Z040) BARBOUR, (WV-Z046) POCAHONTAS, (WV-Z047) RANDOLPH				
	12/05/07 04:00 EST		0	Winter Weather
	12/05/07 21:00 EST		0	
A fast moving low pressure system moved southeast through West Virginia on the 5th. The low center passed along the Interstate 64 corridor. Snow accumulated 2 to 6 inches across northern and central counties. This clipper type storm was the first accumulating snow of the winter season for many of the lowland counties.				
CABELL COUNTY --- 3.0 NE MILTON [38.46, -82.09], 3.0 N ONA [38.46, -82.22], 3.0 SW ONA [38.39, -82.26], 2.0 SW CULLODEN [38.40, -82.08]				
	12/10/07 00:00 EST	1	30K	Flood (due to Heavy Rain)
	12/10/07 02:00 EST		0	Source: Trained Spotter
Direct Fatalities: F20VE				
WAYNE COUNTY --- 0.1 WSW KELLOGG [38.40, -82.52], 0.4 ENE WESTMORELAND [38.40, -82.49], 1.0 SSE WESTMORELAND [38.39, -82.49], 0.9 S KELLOGG [38.39, -82.52]				
	12/10/07 00:00 EST		5K	Flood (due to Heavy Rain)
	12/10/07 02:00 EST		0	Source: Broadcast Media
Several periods of rain occurred from the 7th into the 10th. A strong frontal zone existed on the 9th into the 10th with surface dew				

Storm Data and Unusual Weather Phenomena - December 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
points in the 55 to 60 degree range south of the front. Embedded heavier showers moved across Wayne, Cabell, and Putnam Counties from 2300E on the 9th to 0100E on the 10th. A spotter in Hurricane measured 0.75 inches in 30 minutes. Rains over a 12 to 18 hour period were on the order of 1.5 to 2.25 inches. Johns Branch near Milton flooded roads. Some of the flooding was caused by debris and leaves collecting in many of the culverts. Around 0020E on the 10th, a 20 year old woman stalled her car on the adjacent road. She got out of the vehicle and was later found about a quarter mile away, washed up against a culvert. She still had a pulse. However, she was later pronounced dead at a local hospital.				
Other flooding occurred along Fudges Creek around Ona of Cabell County. In Wayne County, Krout Creek flooded Spring Valley Road.				
<hr/> (WV-Z046) POCAHONTAS, (WV-Z047) RANDOLPH				
	12/15/07 19:00 EST		0	Winter Storm
	12/17/07 03:00 EST		0	
A strong east and southeast low level flow, around a strengthening low pressure storm, caused freezing rain during the evening of the 15th. Temperatures were in the upper 20s across Pocahontas County and from Shavers Mountain on east in Randolph County. The freezing rain accumulations were mostly less than a quarter of an inch. Further west in Randolph County, the initial precipitation was rain, since temperatures were above freezing. This included the Tygart River Valley around Elkins.				
After a wind shift during the morning of the 16th, colder air charged in. The precipitation changed to snow showers. Wind blown snow showers accumulated from 3 to 8 inches during the afternoon of the 16th into the early morning hours of the 17th. Winds gusted to 47 mph at Elkins during the afternoon of the 16th.				
<hr/> RITCHIE COUNTY --- 2.5 SW MOUNTAIN [39.32, -80.95], 0.6 NE LONE VLY [39.28, -81.17], 0.9 NW CISCO [39.14, -81.29], 0.3 WSW BURNT HOUSE [39.05, -80.98], 1.6 NNE BERE A [39.19, -80.91]				
	12/13/07 08:45 EST		15K	Flash Flood (due to Heavy Rain)
	12/13/07 12:30 EST		0	Source: Public
<hr/> HARRISON COUNTY --- 1.2 ESE FRANCIS [39.41, -80.23], 2.0 W MARGRET [39.47, -80.49], 0.7 NW INDUSTRIAL [39.29, -80.58], 0.5 SE BENSON [39.16, -80.54], 1.9 SSE ROMINES MILLS [39.15, -80.25]				
	12/13/07 08:55 EST		0.20M	Flash Flood (due to Heavy Rain)
	12/13/07 12:30 EST		0	Source: Emergency Manager
<hr/> DODDRIDGE COUNTY --- 2.2 NNW ASHLEY [39.43, -80.69], 1.0 W GREENWOOD [39.27, -80.92], 2.3 S SUMMERS [39.14, -80.83], 0.9 W COLDWATER [39.17, -80.65], 2.1 SSE DOAK [39.29, -80.61], 3.0 NNE SEDALIA [39.41, -80.56]				
	12/13/07 09:00 EST		0.10M	Flash Flood (due to Heavy Rain)
	12/13/07 12:30 EST		0	Source: Department of Highways
<hr/> PLEASANTS COUNTY --- 0.9 NE WALNUT HILL [39.44, -81.12], 1.3 N ST MARYS [39.40, -81.20], 1.3 SSW EUREKA [39.35, -81.29], 1.0 E PLEASANTS [39.32, -81.16], 1.1 WSW HEBRON [39.36, -81.04]				
	12/13/07 09:00 EST		15K	Flash Flood (due to Heavy Rain)
	12/13/07 12:30 EST		0	Source: Department of Highways
<hr/> TYLER COUNTY --- 3.6 E PADEN CITY [39.61, -80.86], 1.0 S SHILOH [39.44, -81.02], 0.8 ESE MC KIM [39.38, -80.95], 0.2 SSW WILBUR [39.38, -80.82], 0.5 WSW STRINGTOWN [39.45, -80.71]				
	12/13/07 10:00 EST		20K	Flash Flood (due to Heavy Rain)
	12/13/07 12:30 EST		0	Source: Department of Highways
<hr/> LEWIS COUNTY --- 1.7 NE FINK [39.14, -80.63], 0.9 SSW VADIS [39.04, -80.71], 0.9 ENE VANDALIA [38.93, -80.39], 2.4 NNW ABERDEEN [39.10, -80.33]				
	12/13/07 11:30 EST		10K	Flash Flood (due to Heavy Rain)
	12/13/07 12:45 EST		0	Source: Department of Highways
<hr/> HARRISON COUNTY --- 0.8 WSW GOODHOPE [39.18, -80.46], 0.5 SSE PINE BLUFF [39.41, -80.33], 0.2 SE FRANCIS [39.42, -80.25], 1.5 S WEST MILFORD [39.18, -80.40]				
	12/13/07 16:00 EST		10K	Flood (due to Heavy Rain)
	12/14/07 05:00 EST		0	Source: Official NWS Observations
Minor river flooding occurred along the West Fork River.				
<hr/> GILMER COUNTY --- 0.3 SSE STOUTS MILLS [38.90, -80.72], 0.8 NNW SAND FORK [38.93, -80.76], 1.6 NNW GLENNVILLE [38.95, -80.84], 2.1 ESE TANNER [38.97, -80.91], 2.3 SSE REVERE [38.94, -80.98]				

Storm Data and Unusual Weather Phenomena - December 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	12/13/07 19:00 EST		0	Flood (due to Heavy Rain)
	12/14/07 06:00 EST		0	Source: Department of Highways

Minor river flooding occurred along the Little Kanawha River.

Rains of a quarter inch or less fell during the day on Wednesday, the 12th, as an oscillating front sank back south, through West Virginia. A lull in the rain occurred late on the 12th and into the night. A low pressure wave then moved along the frontal zone, bringing back the rain during the predawn hours on the 13th. South of the front, inflow dew points were on the order of 55 to 60 degrees in the upper Tennessee River Valley. The low pressure wave crossed west to east, from near Huntington to Elkins, during the morning hours of the 13th. Rain rates increased at dawn in the Parkersburg to Clarksburg corridor. The Clarksburg airport measured 0.38 in one hour ending at 0700E, then 0.59 in the hour ending near 0800E. A half inch of rain was measured at Clarksburg between 0800E and 1000E, followed by nearly another half inch between 1000E and 1200E. The rain diminished in the early afternoon.

All total, the Clarksburg airport measured 2.55 inches of rain in an 18 hour period. Over the course of two days, the cooperative observer at Clarksburg reported a total of 3.1 inches, while West Union had 3.04 inches, Harrisville had 2.55 inches, Middlebourne 1.97 inches. An unofficial spotter reported 2.9 inches at Salem of Harrison County.

Flash flooding of small streams was widespread across Pleasants, Tyler, Ritchie, Doddridge, Harrison, and Lewis Counties. A few of the streams were Middle Island Creek, Ten Mile Creek, Little Ten Mile Creek, Lost Creek, and the numerous streams feeding into the North Fork of the Hughes River. Most of the problems were flooded roads and bridges, that lead to limited access. Damage to some culverts were reported. Limited evacuations and damage to dwellings did occur. In Harrison County, 7 businesses in Salem had water in them, ranging from 6 inches to 2.5 feet. The old City Hall had 2.5 feet of water. In the aftermath of the flooding, the city of Salem was moving its city hall to a less flood prone dwelling. The Salem fire department had 1.5 feet of water inside. Those waters were along Salem Fork that flows into Ten Mile Creek. Three mobile homes in Harrison County were reported damaged.

The widespread flash flooding led to minor river flooding along the West Fork and Little Kanawha Rivers later on the 13th and into the 14th. The high water on these rivers kept some roads flooded and closed. The crest at Clarksburg on the West Fork River was 15.6 feet around 2300E on the 13th. Flood stage is 14 feet. At Glenville, the crest was 24.2 feet around 0000E on the 14th. Flood stage at Glenville is 23 feet.

Storm Data and Unusual Weather Phenomena - January 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
----------	-----------	-------------------	---------------------	------------------------

VIRGINIA, Northwest

(VA-Z003) DICKENSON, (VA-Z004) BUCHANAN

01/01/08 00:00 EST

0

Drought

01/31/08 23:59 EST

0

Total monthly precipitation was mostly from 2.25 to 3.5 inches, or about 1 to 1.5 inches drier than the average. Grundy measured around 2.2 inches, while Clintwood had around 2.4 inches. Along Long Ridge of Sandy Ridge in southern Dickenson County, nearly 3.4 inches was observed. The south and southeast downslope wind off of Powell and Stone Mountains, including High Knob, helped reduce the totals for Dickenson County.

The ongoing drought from 2007 lingered, with D2 and D3 intensities.